

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Alexandria, VA 22313-1450

REVOCATION OF POWER OF ATTORNEY
WITH NEW POWER OF ATTORNEY
AND CHANGE OF CORRESPONDENCE ADDRESS

Re: U.S. Patent No.: 6,754,180; Issued: June 22, 2004
Title: SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR
SUPPORT OF BEARER PATH SERVICES IN A DISTRIBUTED
CONTROL NETWORK

U.S. Patent No.: 6,683,877; Issued: January 27, 2004
Title: CARRYING VOICE TRAFFIC OVER BROAD BAND NETWORKS

U.S. Patent No.: 6,791,971; Issued: September 14, 2004
Title: METHOD AND APPARATUS FOR PROVIDING A COMMUNICATIONS
SERVICE, FOR COMMUNICATION AND FOR EXTENDING PACKET
NETWORK FUNCTIONALITY

U.S. Patent No.: 6,687,251; Issued: February 3, 2004
Title: METHOD AND APPARATUS FOR DISTRIBUTED MTP LEVEL 2
ARCHITECTURE

U.S. Patent No.: 6,614,896; Issued: September 2, 2003
Title: ADVERTISING SYSTEM FOR CALLERS TO BUSY NUMBERS

U.S. Patent No.: 6,678,264; Issued: January 13, 2004
Title: ESTABLISHING CONNECTIONS WITH A PRE-SPECIFIED QUALITY OF
SERVICE ACROSS A COMMUNICATION NETWORK

U.S. Patent No.: 6,885,658; Issued: April 26, 2005
Title: METHOD AND APPARATUS FOR INTERWORKING BETWEEN
INTERNET PROTOCOL (IP) TELEPHONY PROTOCOLS

U.S. Patent No.: 7,254,832; Issued: August 7, 2007
Title: FIREWALL CONTROL FOR SECURE PRIVATE NETWORKS WITH
PUBLIC VOIP ACCESS

U.S. Patent No.: 6,233,223; Issued: May 15, 2001
Title: CONTROL OF DISTRIBUTED ALLOCATION OF CHANNELS

U.S. Patent No.: 6,785,840; Issued: August 31, 2004
Title: CALL PROCESSOR SYSTEM AND METHODS

U.S. Patent No.: 6,832,254; Issued: December 14, 2004
Title: METHOD AND APPARATUS FOR ASSOCIATING AN END-TO-END
CALL IDENTIFIER WITH A CONNECTION IN A MULTIMEDIA PACKET
NETWORK

U.S. Patent No.: 6,266,395; Issued: July 24, 2001
Title: SINGLE-ENDED SUBSCRIBER LOOP QUALIFICATION FOR XDSL
SERVICE

U.S. Patent No.: 6,611,585; Issued: August 26, 2003
Title: METHOD AND APPARATUS FOR INTELLIGENT RELEASE LINK
TRUNK

U.S. Patent No.: 7,233,980; Issued: June 19, 2007
Title: SYSTEM AND METHOD FOR DYNAMIC QUEUING IN AN AUTOMATIC
CALL DISTRIBUTOR

U.S. Patent No.: 6,757,732; Issued: June 29, 2004
Title: TEXT-BASED COMMUNICATIONS OVER A DATA NETWORK

U.S. Patent No.: 6,694,153; Issued: February 17, 2004
Title: SERVICE CONTROL POINT LOCATION REGISTER FUNCTION

U.S. Patent No.: 6,742,042; Issued: May 25, 2004
Title: METHOD AND APPARATUS OF PRESENTING TICKER INFORMATION

U.S. Patent No.: 7,047,561; Issued: May 16, 2006
Title: FIREWALL FOR REAL-TIME INTERNET APPLICATIONS

U.S. Patent No.: 6,772,210; Issued: August 3, 2004
Title: METHOD AND APPARATUS FOR EXCHANGING COMMUNICATIONS
BETWEEN TELEPHONE NUMBER BASED DEVICES IN AN INTERNET
PROTOCOL ENVIRONMENT

U.S. Patent No.: 6,934,279; Issued: August 23, 2005
Title: CONTROLLING VOICE COMMUNICATIONS OVER A DATA NETWORK

Serial No.: 11/210,084; Filed: August 23, 2005
Title: CONTROLLING VOICE COMMUNICATIONS OVER A DATA NETWORK

U.S. Patent No.: 7,023,860; Issued: April 4, 2006
Title: COMMUNICATIONS NETWORK

U.S. Patent No.: 7,058,068; Issued: June 6, 2006
Title: SESSION INITIATION PROTOCOL BASED ADVANCED INTELLIGENT NETWORK/INTELLIGENT NETWORK MESSAGING

U.S. Patent No.: 6,882,721; Issued: April 19, 2005
Title: METHOD AND APPARATUS ENABLING LOCAL NUMBER PORTABILITY IN TELEPHONE NETWORKS

U.S. Patent No.: 6,421,674; Issued: July 16, 2002
Title: METHODS AND SYSTEMS FOR IMPLEMENTING A REAL-TIME, DISTRIBUTED, HIERARCHICAL DATABASE USING A PROXIABLE PROTOCOL

U.S. Patent No.: 7,274,783; Issued: September 25, 2007
Title: METHODS AND SYSTEMS FOR IMPLEMENTING A REAL-TIME, DISTRIBUTED, HIERARCHICAL DATABASE USING A PROXIABLE PROTOCOL

U.S. Patent No.: 7,146,410; Issued: December 5, 2006
Title: SYSTEM AND METHOD FOR EXECUTING CONTROL PROTOCOLS AMONG NODES IN SEPARATE IP NETWORKS

U.S. Patent No.: 6,888,839; Issued: May 3, 2005
Title: METHOD AND APPARATUS FOR TUNNELING OPERATING CODES TO AND FROM A CALL SERVER IN A PACKET NETWORK

U.S. Patent No.: 7,046,669; Issued: May 16, 2006
Title: COMMUNICATIONS NETWORK

U.S. Patent No.: 6,886,043; Issued: April 26, 2005
Title: COMMUNICATIONS NETWORK

U.S. Patent No.: 6,876,646; Issued: April 5, 2005
Title: COLLECTING INFORMATION BEFORE A CALL

U.S. Patent No.: 7,272,136; Issued: September 18, 2007
Title: DUAL TONE MULTI FREQUENCY SIGNAL DETECTION

U.S. Patent No.: 7,068,655; Issued: June 27, 2006
Title: NETWORK ADDRESS AND/OR PORT TRANSLATION

U.S. Patent No.: 6,987,765; Issued: January 17, 2006
Title: CHANGING MEDIA SESSIONS

U.S. Patent No.: 7,684,317; Issued: March 23, 2010
Title: PROTECTING A NETWORK FROM UNAUTHORIZED ACCESS

Serial No.: 11/592,775; Filed: November 3, 2006
Title: PROTECTING A NETWORK FROM UNAUTHORIZED ACCESS

Serial No.: 12/729,567; Filed: March 23, 2010
Title: PROTECTING A NETWORK FROM UNAUTHORIZED ACCESS

U.S. Patent No.: 7,535,823; Issued: May 19, 2009
Title: METHOD AND SYSTEM FOR PROVIDING A SPARING MECHANISM IN
A CIRCUIT-SWITCHED-TO-PACKET-SWITCHED INTERWORKING
PERIPHERAL

U.S. Patent No.: 7,408,928; Issued: August 5, 2008
Title: METHODS AND APPARATUS FOR SETTING UP TELEPHONY
CONNECTIONS BETWEEN TWO ADDRESS DOMAINS HAVING
OVERLAPPING ADDRESS RANGES

U.S. Patent No.: 7,349,533; Issued: March 25, 2008
Title: TELEPHONY TRANSITIONING SYSTEM

U.S. Patent No.: 6,993,595; Issued: January 31, 2006
Title: ADDRESS TRANSLATION CHANGE IDENTIFICATION

U.S. Patent No.: 7,257,109; Issued: August 14, 2007
Title: DYNAMIC CALL CONTROL

Serial No.: 10/164,524; Filed: June 6, 2002
Title: VOICE AND FAX OVER IP CALL ESTABLISHMENT IN A
COMMUNICATIONS NETWORK

U.S. Patent No.: 7,480,283; Issued: January 20, 2009
Title: VIRTUAL TRUNKING OVER PACKET NETWORKS

U.S. Patent No.: 7,224,696; Issued: May 29, 2007
Title: ACCESS NODES IN PACKET-BASED COMMUNICATIONS NETWORKS

U.S. Patent No.: 7,391,780; Issued: June 24, 2008
Title: METHOD AND APPARATUS FOR STATISTICAL PREDICTION OF
ACCESS BANDWIDTH ON AN XDSL NETWORK

U.S. Patent No.: 7,301,905; Issued: November 27, 2007
Title: OVERLOAD CONTROL SYSTEM AND METHOD FOR A
TELECOMMUNICATIONS SYSTEM

U.S. Patent No.: 7,107,061; Issued: September 12, 2006
Title: ADAPTIVE CALL GAPPING OVERLOAD CONTROL SYSTEM AND METHOD FOR A TELECOMMUNICATIONS SYSTEM

U.S. Patent No.: 7,447,150; Issued: November 4, 2008
Title: AUTOMATED PATH RESTORATION FOR PACKET TELEPHONY

U.S. Patent No.: 7,283,542; Issued: October 16, 2007
Title: NETWORK ADDRESS TRANSLATOR AND SECURE TRANSFER DEVICE FOR INTERFACING NETWORKS

U.S. Patent No.: 7,213,143; Issued: May 1, 2007
Title: SECURITY OVER A NETWORK

U.S. Patent No.: 7,313,131; Issued: December 25, 2007
Title: PROCESSING OF COMMUNICATION SESSION REQUEST MESSAGES

U.S. Patent No.: 6,978,003; Issued: December 20, 2005
Title: ADAPTIVE CALL ROUTING FOR MULTIPLE TELEPHONY TERMINALS

U.S. Patent No.: 7,386,604; Issued: June 10, 2008
Title: SIGNALING METHOD FOR COMMUNICATION NETWORKS

Serial No.: 10/782,754; Filed: February 23, 2004
Title: DATA COMMUNICATION APPARATUS AND METHOD

U.S. Patent No.: 7,640,319; Issued: December 29, 2009
Title: GATEWAY SHARED BY MULTIPLE VIRTUAL PRIVATE NETWORKS

U.S. Patent No.: 7,313,145; Issued: December 25, 2007
Title: METHOD AND SYSTEM FOR ESTABLISHING PATHS BETWEEN END POINTS IN PACKET DATA NETWORKS

Serial No.: 10/675,645; Filed: September 30, 2003
Title: MEDIA PROXY HAVING INTERFACE TO MULTIPLE VIRTUAL PRIVATE NETWORKS

Serial No.: 10/674,141; Filed: September 29, 2003
Title: INTERNET TRUNKING PROTOCOL

U.S. Patent No.: 7,715,537; Issued: May 11, 2010
Title: METERING IN PACKET-BASED TELEPHONY NETWORKS

Serial No.: 12/772,702; Filed: May 3, 2010
Title: METERING IN PACKET-BASED TELEPHONY NETWORKS

Serial No.: 10/723,835; Filed: November 26, 2003
Title: MESSAGING SERVICE INTERWORKING

U.S. Patent No.: 7,580,994; Issued: August 25, 2009
Title: METHOD AND APPARATUS FOR ENABLING DYNAMIC SELF-HEALING OF MULTI-MEDIA SERVICES

Serial No.: 10/599,088; Filed: September 19, 2006
Title: COMMUNICATING PROCESSING CAPABILITIES ALONG A COMMUNICATIONS PATH

Serial No.: 11/452,743; Filed: June 14, 2006
Title: SELECTIVE CALL ANCHORING IN A MULTIMEDIA SUBSYSTEM

Serial No.: 11/911,631; Filed: October 15, 2007
Title: MULTIPLE ACCESS SERVICE CONVERGENCE

U.S. Patent No.: 7,512,118; Issued: March 31, 2009
Title: CODEC NEGOTIATION CONSIDERING QUALITY AND COSTS

Serial No.: 11/466,115; Filed: August 22, 2006
Title: MULTIMEDIA SUBSYSTEM SERVICE CONTROL FOR CIRCUIT-SWITCHED SUBSYSTEM CALLS

Serial No.: 11/522,732; Filed: September 18, 2006
Title: ENHANCED SECURITY FOR MULTIMEDIA DOMAIN (MMD) NETWORK WITH HOME AND VISITED NETWORK SERVICE CONTROL

Serial No.: 11/482,236; Filed: June 30, 2006
Title: SMS DELIVERY OVER A MULTIMEDIA SUBSYSTEM

Serial No.: 11/462,182; Filed: August 3, 2006
Title: LOCATION CHANGE DETECTION FOR EMERGENCY SERVICES

Serial No.: 11/589,435; Filed: October 30, 2006
Title: PROVIDING A CAPABILITY LIST OF A PREDEFINED FORMAT IN A COMMUNICATIONS NETWORK

Serial No.: 11/360,432; Filed: February 24, 2006
Title: METHOD AND COMMUNICATION NETWORK COMPONENTS FOR MANAGING MEDIA SIGNAL QUALITY

Serial No.: 11/554,930; Filed: October 31, 2006
Title: NETWORK DOMAIN SELECTION IN THE HSS

Serial No.: 11/651,427; Filed: January 9, 2007

Title: DYNAMIC EVENTS SCHEDULING IN A RESOURCE LIMITED ENVIRONMENT

Serial No.: 11/563,306; Filed: November 27, 2006

Title: MULTIMEDIA SUBSYSTEM CONTROL FOR INTERNET PROTOCOL BASED TELEVISION SERVICES

Serial No.: 11/425,436; Filed: June 21, 2006

Title: METHOD AND APPARATUS FOR IDENTIFYING AND MONITORING VOIP MEDIA PLANE SECURITY KEYS FOR SERVICE PROVIDER LAWFUL INTERCEPT USE

Serial No.: 11/536,921; Filed: September 29, 2006

Title: ENTERPRISE MOBILITY

Serial No.: 11/616,679; Filed: December 27, 2006

Title: VOICE CONTINUITY AMONG USER TERMINALS

U.S. Patent No.: 7,649,881; Issued: January 19, 2010

Title: PINNING THE ROUTE OF IP BEARER FLOWS IN A NEXT GENERATION NETWORK

Serial No.: 11/839,861; Filed: August 16, 2007

Title: METHOD AND APPARATUS FOR TIME ALIGNMENT ALONG A MULTI-NODE COMMUNICATION LINK

Serial No.: 12/151,683; Filed: May 8, 2008

Title: ENHANCED MEDIA GATEWAY

Serial No.: 12/172,562; Filed: July 14, 2008

Title: METHOD FOR IMPROVING SUBSCRIBER DATA INTEGRITY IN AN IMS NETWORK

Serial No.: 11/961,933; Filed: December 20, 2007

Title: CONTROLLING SERVICES IN A CIRCUIT-SWITCHED NETWORK FROM A PACKET NETWORK

Serial No.: 12/157,677; Filed: June 12, 2008

Title: SYSTEM AND METHOD FOR CORRECT ROUTING AND ENFORCEMENT POLICY IN A NETWORK HAVING ADDRESS OR PORT TRANSLATION

Serial No.: 12/343,328; Filed: December 23, 2008

Title: MEDIA SHARING

Serial No.: 12/209,829; Filed: September 12, 2008
Title: ADDING A SERVICE CONTROL CHANNEL AFTER SESSION ESTABLISHMENT

Serial No.: 12/316,550; Filed: December 12, 2008
Title: DYNAMICALLY BINDING A LOGIC COMPONENT TO A PROCESSING POINT IN A SOFTWARE EXECUTION FLOW

Serial No.: 12/333,678; Filed: December 12, 2008
Title: CONTENT OVERLAYS IN ON-DEMAND STREAMING APPLICATIONS

U.S. Patent No.: 6,643,297; Issued: November 4, 2003
Title: NETWORK SERVICE PROVIDER ARCHITECTURE IN COMMUNICATIONS NETWORK

U.S. Patent No.: 7,649,883; Issued: January 19, 2010
Title: NETWORK SERVICE PROVIDER ARCHITECTURE IN COMMUNICATIONS NETWORK

U.S. Patent No.: 6,778,503; Issued: August 17, 2004
Title: AUTOMATED LINE SIGNAL PROCESSING

U.S. Patent No.: 6,778,494; Issued: August 17, 2004
Title: LABEL SWITCHED MEDIA GATEWAY AND NETWORK

U.S. Patent No.: 6,728,783; Issued: April 27, 2004
Title: INTELLIGENT NETWORK

U.S. Patent No.: 6,424,635; Issued: July 23, 2002
Title: ADAPTIVE NONLINEAR PROCESSOR FOR ECHO CANCELLATION

U.S. Patent No.: 5,295,183; Issued: March 15, 1994
Title: CONGESTION CONTROL SYSTEM FOR TELECOMMUNICATIONS

U.S. Patent No.: 6,026,356; Issued: February 15, 2000
Title: METHODS AND DEVICES FOR NOISE CONDITIONING SIGNALS REPRESENTATIVE OF AUDIO INFORMATION IN COMPRESSED AND DIGITIZED FORM

U.S. Patent No.: 5,913,187; Issued: June 15, 1999
Title: NONLINEAR FILTER FOR NOISE SUPPRESSION IN LINEAR PREDICTION SPEECH PROCESSING DEVICES

U.S. Patent No.: 6,011,846; Issued: January 4, 2000
Title: METHODS AND APPARATUS FOR ECHO SUPPRESSION

U.S. Patent No.: 6,665,402; Issued: December 16, 2003
Title: METHOD AND APPARATUS FOR PERFORMING ECHO CANCELLATION

U.S. Patent No.: 6,269,100; Issued: July 31, 2001
Title: CHANNEL TRANSFER WITH RETRIEVE

U.S. Patent No.: 6,144,671; Issued: November 7, 2000
Title: CALL REDIRECTION METHODS IN A PACKET BASED COMMUNICATIONS NETWORK

U.S. Patent No.: 6,636,522; Issued: October 21, 2003
Title: CALL REDIRECTION METHODS IN A PACKET BASED COMMUNICATIONS NETWORK

U.S. Patent No.: 6,337,858; Issued: January 8, 2002
Title: METHOD AND APPARATUS FOR ORIGINATING VOICE CALLS FROM A DATA NETWORK

U.S. Patent No.: 6,141,342; Issued: October 31, 2000
Title: APPARATUS AND METHOD FOR COMPLETING INTER-SWITCH CALLS USING LARGE TRUNK GROUPS

U.S. Patent No.: 7,269,167; Issued: September 11, 2007
Title: DIRECT END-OFFICE TRUNKING

U.S. Patent No.: 6,167,126; Issued: December 26, 2000
Title: METHOD FOR FLEXIBLY PROVISIONING SWITCHING DEVICES AND A SWITCHING DEVICE INCORPORATING THE SAME

U.S. Patent No.: 6,088,328; Issued: July 11, 2000
Title: SYSTEM AND METHOD FOR RESTORING FAILED COMMUNICATION SERVICES

U.S. Patent No.: 6,359,979; Issued: March 19, 2002
Title: ENHANCED CALL ROUTING IN COMPETITIVE LOCAL TELEPHONE NETWORKS

U.S. Patent No.: 6,611,533; Issued: August 26, 2003
Title: PUBLIC TELEPHONE NETWORK, INTELLIGENT NETWORK, AND INTERNET PROTOCOL NETWORK SERVICES INTERWORKING

U.S. Patent No.: 6,529,524; Issued: March 4, 2003

Title: COMPUTER PROGRAM PRODUCTS, METHODS, AND PROTOCOL FOR INTERWORKING SERVICES BETWEEN A PUBLIC TELEPHONE NETWORK, INTELLIGENT NETWORK, AND INTERNET PROTOCOL NETWORK

U.S. Patent No.: 6,445,695; Issued: September 3, 2002

Title: SYSTEM AND METHOD FOR SUPPORTING COMMUNICATIONS SERVICES ON BEHALF OF A COMMUNICATIONS DEVICE WHICH CANNOT PROVIDE THOSE SERVICES ITSELF

U.S. Patent No.: 6,654,452; Issued: November 25, 2003

Title: METHOD AND APPARATUS IN A COMMUNICATIONS SYSTEM FOR DYNAMIC CALL REJECTION

U.S. Patent No.: 6,452,922; Issued: September 17, 2002

Title: METHOD AND APPARATUS FOR FALLBACK ROUTING OF VOICE OVER INTERNET PROTOCOL CALL

U.S. Patent No.: 7,515,583; Issued: April 7, 2009

Title: METHOD AND APPARATUS FOR PROVIDING A CONFIGURABLE QUALITY OF SERVICE THRESHOLD FOR VOICE OVER INTERNET PROTOCOL

U.S. Patent No.: 6,243,449; Issued: June 5, 2001

Title: MASS CALLING EVENT DETECTION AND CONTROL

U.S. Patent No.: 7,619,994; Issued: November 17, 2009

Title: ADAPTER FOR USE WITH A TANDEM-FREE CONFERENCE BRIDGE

REVOCATION OF PREVIOUS POWERS OF ATTORNEY

The undersigned Assignee hereby revokes all previous powers of attorney executed and/or filed in connection with the above-identified patent and patent applications and the transaction of all business in the Patent and Trademark Office connected therewith.

POWER OF ATTORNEY

The undersigned Assignee hereby appoints the practitioners associated with Customer Number **25297** to prosecute the above-identified patent and patent

applications and any re-issues thereof and to transact all business in the Patent and Trademark Office connected therewith.

CHANGE OF ADDRESS

Please change the correspondence address for the above-identified patent and patent applications to the address associated with Customer Number **25297**, directing all correspondence and phone calls to Gregory A. Hunt according to the below-listed information:

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ASSIGNEE SIGNATURE

The undersigned is the Assignee of record of the entire interest in the above referenced patent and patent applications. A Statement under 37 CFR 3.73(b) is enclosed.

GENBAND US LLC



Shauna Martin
Executive Vice-President and General Counsel
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This, the ^{12th} day of November, 2010.